

Summary showing Results of working the Waimea-Kumara Water-races during the Year ended 31st March, 1920.

Name of Water-race.	Expenditure.	Cash received.	Sales of Water.	Authorized Free Water supplied.	Outstanding on 31/3/20.	Collateral Advantages.		
						Number of Men employed.	Gold obtained.	Value of Gold obtained.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.		Oz.	£ s. d.
Waimea ..	1,037 16 1	494 3 8	508 9 1	..	114 1 0	10-75	685	2,688 12 6
Kumara ..	410 6 5	20 15 0	19 15 0	..	394 8 11
Callaghan's ..	228 3 5	27 3 0	15 1 3	..	32 16 0	0-66	38	149 3 0
Trans-Taramakau ..	358 19 0	44 16 8	39 12 3	..	128 7 9	4-66	201	788 18 6
Erin-go-Bragh ..	351 17 9	72 13 1	72 13 1	..	23 6 10	5-66	340	1,334 10 0
Totals for 1920	2,387 2 8	659 11 5	655 10 8	180 8 11	693 0 6	21-73	1,264	4,961 4 0
Totals for 1919	1,946 13 9	875 15 8	821 19 8	23 0 11	669 7 9	23-07	1,380	5,416 10 0
Decrease ..	*440 8 11	216 4 3	166 9 0	*157 8 0	*23 12 9	1-34	116	455 6 0

* Increase.

MOUNT IDA WATER-RACE, CENTRAL OTAGO (Mr. J. C. BUCHANAN, Manager).

The Mount Ida water-race is about seventy miles in length, the lower forty miles of which has a carrying-capacity of 22 to 32 sluice-heads and is in good order. The capacity of this race gradually increases, and it is from the Eweburn reservoir for a distance of twelve miles that it is capable of delivering the full 32 sluice-heads. The upper part of this race, some thirty miles in length, had formerly a carrying-capacity of 10 to 15 sluice-heads, but this portion is not in good order as no steps have been taken to repair the damage done by the flood of May, 1917.

The branch races leading from Coalpit dam, four miles in length and having a capacity of 22 sluice-heads, are in good order, as well as those, about two miles in length, leading to Upper and Lower Spec Gully.

The Blackstone Hill race, which commences at Johnstone's Creek, and after a course of eight miles terminates at the lower saddle between Ida and Upper Manuherikia Valleys, has a carrying-capacity of 15 sluice-heads. This race has not been used for a number of years, and requires repairing.

Summary showing Results of working the Mount Ida Water-race during the Year ended 31st March, 1920.

—	Expenditure.	Cash received.	Sales of Water.	Authorized Free Water supplied.	Outstanding on 31/3/20.	Collateral Advantages.		
						Number of Men employed.	Gold obtained.	Value of Gold obtained.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.		Oz.	£ s. d.
Totals for 1920 ..	1,669 6 10	738 10 5	738 10 5	61 2 7	..	15-5	836	3,218 12 0
Totals for 1919 ..	1,403 11 9	706 14 9	706 14 9	63 1 11	..	12-16	796	3,064 12 0
Increase ..	265 15 1	31 15 8	31 15 8	*1 19 4	..	2-34	40	154 0 0

* Decrease.

ANNEXURE C.

SUMMARY OF THE REPORT BY THE INSPECTOR OF STONE-QUARRIES FOR THE NORTH ISLAND (Mr. JAMES NEWTON).

The greater portion of the period has been spent in visiting the various districts for the purpose of actual inspection, whilst the remainder has been occupied at clerical work in the Auckland office. A large percentage of the quarries, mostly in outlying districts, have been operated intermittently, and I have inspected such places when passing through the several districts, whether work was being carried on at the time of my visit or not.

I have found generally that reasonable care with regard to the safe working of quarry-faces has been exercised by those persons in charge of operations. Most of the quarries are now being worked from the top downwards by benching, or else put on a satisfactory batter and worked from the bottom upwards in shallow faces, allowing the material to rill safely and easily to the foot of the face. This safe condition of the quarry-faces, in my opinion, has been brought about by careful inspection in the past by the Department's officials. Much improvement has also been effected in the matter of care in the storage of explosives.

I desire again to express the opinion that the minimum height of a quarry-face—namely, 20 ft.—required to bring a quarry within the scope of the Stone-quarries Act is too great. I have made a point of visiting a number of such places, and in some cases have found conditions which in my opinion should not exist, both with regard to the working of the quarry-face and the handling and care of explosives.

I regret to have to report that the industry has not been free from accidents during the period under review, one fatal and two serious accidents having occurred. Details of the former accident are supplied in the tabulated remarks of the Inspecting Engineer for Metal-liferous Mines.